

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

SW1116

RRID:CVCL_0544

Type: Cell Line

Proper Citation

RRID:CVCL_0544

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0544

Proper Citation: RRID:CVCL_0544

Description: Cell line SW1116 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Colon adenocarcinoma

Defining Citation: [PMID:286328](#), [PMID:924690](#), [PMID:1000501](#), [PMID:1778766](#), [PMID:3335022](#), [PMID:3349466](#), [PMID:3518877](#), [PMID:6935474](#), [PMID:7104989](#), [PMID:7651727](#), [PMID:8422623](#), [PMID:9000147](#), [PMID:9000572](#), [PMID:11414198](#), [PMID:11526487](#), [PMID:12068308](#), [PMID:16418264](#), [PMID:16854228](#), [PMID:18258742](#), [PMID:20215515](#), [PMID:20570890](#), [PMID:20606684](#), [PMID:22460905](#), [PMID:23932154](#), [PMID:24042735](#), [PMID:24755471](#), [PMID:24840470](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25926053](#), [PMID:25944804](#), [PMID:26537799](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:28683746](#), [PMID:28854368](#), [PMID:29101300](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:35839778](#)

Comments: Population: Caucasian., From: Scott and White Clinic; Temple; USA., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: SW1116

Synonyms: SW-1116, SW 1116

Cross References: BTO:BTO_0001599, CLO:CLO_0009183, CLO:CLO_0009208, EFO:EFO_0002359, MCCL:MCC:0000445, CLDB:cl4429, AddexBio:C0009019/4909, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CCL-233, BCRC:60307, BioSample:SAMN03473185, BioSample:SAMN10987597, cancercellines:CVCL_0544, CCRID:3101HUMTCHu174, CCTCC:GDC0258, Cell_Model_Passport:SIDM00835, ChEMBL-Cells:ChEMBL3308495, ChEMBL-Targets:ChEMBL614942, CLS:300348, ColonAtlas:SW1116, Cosmic:711271, Cosmic:719678, Cosmic:724847, Cosmic:733171, Cosmic:887241, Cosmic:889526, Cosmic:909746, Cosmic:948834, Cosmic:1122331, Cosmic:1187320, Cosmic:1223147, Cosmic:1310939, Cosmic:1312312, Cosmic:1479569, Cosmic:1609499, Cosmic:1676732, Cosmic:1805266, Cosmic:1995649, Cosmic:2267317, Cosmic:2302012, Cosmic:2433753, Cosmic-CLP:909746, DepMap:ACH-000489, ECACC:87071006, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:909746, GEO:GSM206546, GEO:GSM513920, GEO:GSM514307, GEO:GSM741267, GEO:GSM784013, GEO:GSM827441, GEO:GSM887664, GEO:GSM888756, GEO:GSM1006225, GEO:GSM1006226, GEO:GSM1006227, GEO:GSM1346887, GEO:GSM1374915, GEO:GSM1374916, GEO:GSM1374917, GEO:GSM1448114, GEO:GSM1670496, GEO:GSM2550012, IARC_TP53:1559, IGRhCellID:SW1116, IZSLER:BS TCL 96, KCLB:10233, LiGeA:CCLE_653, LINCX_LDP:LCL-1200, MetaboLights:MTBLS227, NCBI_Iran:C481, PharmacDB:SW1116_1528_2019, PRIDE:PXD005235, PRIDE:PXD005354, PRIDE:PXD005355, PRIDE:PXD030304, Progenetix:CVCL_0544, PubChem_Cell_line:CVCL_0544, Wikidata:Q54971073

ID: CVCL_0544

Record Creation Time: 20220427T221614+0000

Record Last Update: 20260920T005909+0000

Ratings and Alerts

No rating or validation information has been found for SW1116.

No alerts have been found for SW1116.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 192 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Feng M, et al. (2026) Carbohydrate responsive element binding protein promotes colorectal carcinogenesis via Wnt/ β -catenin pathway. *Oncogene*, 45(20), 1890.

Buzo K, et al. (2026) WEE1 kinase inhibition to overcome acquired resistance to targeted therapies in colorectal cancer. *EMBO molecular medicine*, 18(6), 2322.

Cong K, et al. (2026) A comprehensive review of anti-colorectal cancer alkaloids from traditional Chinese medicine: Sources, chemical structures, mechanisms and therapeutic applications. *British journal of pharmacology*.

Wu J, et al. (2026) Psoriasis modulates inflammatory bowel disease risk and intestinal epithelium lipid metabolism via IL-1 β -producing macrophages. *Cell metabolism*, 38(5), 963.

Zhou B, et al. (2025) IMPDH2 dephosphorylation under FGFR signaling promotes S-phase progression and tumor growth. *Cell reports*, 44(1), 115116.

Asif PJ, et al. (2025) Mesenchymal Colorectal Cancers Secrete Vesicles With Unique Cargo That Can Be Used for Liquid Biopsy Based Diagnostics. *Journal of extracellular vesicles*, 14(11), e70171.

Martinez-Martinez D, et al. (2025) Chemotherapy modulation by a cancer-associated microbiota metabolite. *Cell systems*, 16(9), 101397.

Zhang C, et al. (2025) Targeting WEE1 in ARID1A/TP53 Concurrent Mutant Colorectal Cancer by Exploiting R-Loop Accumulation and DNA Repair Deficiencies. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e12074.

Sogari A, et al. (2024) Tolerance to colibactin correlates with homologous recombination proficiency and resistance to irinotecan in colorectal cancer cells. *Cell reports. Medicine*, 5(2), 101376.

Chen D, et al. (2024) RUVBL1/2 Blockade Targets YTHDF1 Activity to Suppress m6A-Dependent Oncogenic Translation and Colorectal Tumorigenesis. *Cancer research*, 84(17), 2856.

Qian Y, et al. (2023) The sodium channel subunit SCNN1B suppresses colorectal cancer via suppression of active c-Raf and MAPK signaling cascade. *Oncogene*, 42(8), 601.

Li G, et al. (2023) Antitumor activities of a defucosylated anti-EpCAM monoclonal antibody in colorectal carcinoma xenograft models. *International journal of molecular medicine*, 51(2).

Ma B, et al. (2023) High glucose promotes the progression of colorectal cancer by activating the BMP4 signaling and inhibited by glucagon-like peptide-1 receptor agonist. *BMC cancer*, 23(1), 594.

Yamasaki A, et al. (2023) Dual-targeting therapy against HER3/MET in human colorectal cancers. *Cancer medicine*, 12(8), 9684.

Yu H, et al. (2023) Serotonin acts through YAP to promote cell proliferation: mechanism and implication in colorectal cancer progression. *Cell communication and signaling : CCS*, 21(1), 75.

Gao Y, et al. (2023) *Fusobacterium nucleatum* stimulates cell proliferation and promotes PD-L1 expression via IFIT1-related signal in colorectal cancer. *Neoplasia* (New York, N.Y.), 35, 100850.

Bahman A, et al. (2023) Therapeutic efficacy of sorafenib and plant-derived phytochemicals in human colorectal cancer cells. *BMC complementary medicine and therapies*, 23(1), 210.

Kong Q, et al. (2023) Alternative splicing of GSDMB modulates killer lymphocyte-triggered pyroptosis. *Science immunology*, 8(82), eadg3196.

Omar A, et al. (2023) Epigenetic regulation in colorectal cancer: The susceptibility of microRNAs 145, 143 and 133b to DNA demethylation and histone deacetylase inhibitors. *PloS one*, 18(8), e0289800.

Tan G, et al. (2022) Radiosensitivity of colorectal cancer and radiation-induced gut damages are regulated by gasdermin E. *Cancer letters*, 529, 1.